

# Insulating suit critical for water survival

by Lt. Col. Kelly Ann Thompson  
Eielson Northern Edge Joint Information Bureau

Pilots in Northern Edge, Alaska’s largest joint-training exercise, spent a few extra minutes donning “poopy suits” before stepping into cockpits. A poopy suit? “It’s the CWU-74P, but I haven’t the slightest idea the history behind the name,” said Tech. Sgt. John Gibson, life support tech with the Ohio Air National Guard’s 112th Fighter Squadron. “Maybe because the pilots would be in a pretty poopy situation if they have to use it.” The Toledo, Ohio-based Stingers’ F-16C pilots do not wear custom-fit poopy suits very often. The insulated rubber dry suits allow aircrews to survive longer in cold water if they eject. “Once in a while when we fly over Lake Superior we wear them,” said Maj. Ricardo Colon,

112th FS pilot. “Even though they’re like a mobile sauna, it beats the alternative, dying of hypothermia in about 30 minutes.” The poopy suit’s watertight neck, wrist seals and sewn-on booties create the sauna effect. “Keeping us dry is the key to the suit,” said Tech. Sgt. William Bender, Eielson’s 18th Fighter Squadron life support specialist. “Wearing the poopy, or anti-exposure suit as we call it, will definitely extend their life in the water. The exact amount of time depends on their body type, physical condition and what they have on under the suit.” Dressing in his suit, Capt. Karl Palmberg, 18th FS pilot, said, “We wore these quite a lot in Korea. They’re not too comfortable, but they are better than being pretty cold if you didn’t have one.” Pilots based at Eielson rarely wear the suits since most of their flying is over Alaska’s interior.

Other Northern Edge participants such as Marine Corps F/A-18 pilots from Miramar Air Station, Calif., are infrequent users of the poopy suit. The water in southern California is usually warm enough to fly without them, said Marine Corps Staff Sgt. Geronimo Deleon, the Black Knight’s flight equipment staff NCO in charge. Northern Edge missions often took the pilots over the Gulf of Alaska, which averaged 48 degrees during the exercise. According to the U.S. Air Force’s Flight Surgeon’s guide, many pilots floating in the sea at that temperature would lose consciousness in less than an hour. A properly fitted and insulated poopy suit extends this period to more than 10 hours, allowing rescue boats or helicopters time to potentially travel hundreds of miles to reach a survivor.

See **Suit** Page 2



Staff Sgt. Joshua Strang

Marine Corps Capt. Jon Ohman (right), Marine Fighter Attack Squadron 314, San Diego, Calif., helps Capt. Scott Montgomery, also with VMFA 314, don an exposure suit here during Northern Edge. The two-part suits, also known as poopy suits, help ensure a pilot’s survival if he ejects and lands in cold water.

## Wing CC thanks families for support



16 June 2006

Dear Eielson AFB Family Member

I would like to express my appreciation to you and your family for the sacrifices you have made during your spouse’s deployment. Long absences are an unfortunate part of being a military family member and your dedication and devotion to our Air Force and your spouse is commendable.

In recognition of your service to the Air Force and the United States and in celebration of our returning Airmen, I would like to personally invite you to a Welcome Home Ceremony on the field adjacent to the Base Chapel on Friday, 23 June 2006 at 1500. There will be hamburgers and hot dogs along with activities for your children. It will be a wonderful opportunity to pay special tribute to our returning loved ones.

My wife, Lisa and I look forward to seeing you and your family at this wonderful event.

Sincerely

DAVID J. SCOTT  
Brigadier General, USAF  
Commander

## Lt. Gov. visits Marine at Northern Edge



Staff Sgt. Joshua Strang

Alaska Lt. Governor Loren Leman talks with Marine Corps. Lt. Col. Russell Emons (left) and family friend Lance Corporal Nathan Trader while getting a close look at an F/A-18 Hornet during Northern Edge Tuesday. The families met prior to Mr. Leman becoming Lt. Gov. while on a church mission to Russia.

by Lance Cpl. Chad deBree  
Northern Edge Joint Information Bureau

Friendships can occur at any time in any place. For a lance corporal attached to Marine Fighter Attack Squadron 314, a friendship that began in Russia turned out to have big ties. Alaska Lt. Gov. Loren Leman made a visit to Northern Edge 2006 at Eielson to meet the Marines of VMFA-314 and Lance Cpl. Nathan Trader, power line F/A-18 mechanic, June 13. A phone call made to the lieutenant governor convinced him to visit Marines supporting the exercise. “I came here for two reasons,” said Mr. Leman. “One is because (Trader’s) father gave me a phone call and said that he was coming from Japan to Alaska and if I could see the Marines for some

encouragement. The second reason is because I have always been a fan of my friends at Eielson, and I was supporting Eielson to stay active when they (Base Realignment and Closure committee) said it was going to close.” Mr. Leman attended a memorial service that was being held for a fallen soldier at Fort Wainwright earlier in the day. He extended his trip to come to Eielson to visit the Marines. “His assistant called me and asked when a good time to visit would be,” said Lance Cpl. Trader. “I told them any time would be good and they said, ‘Ok, Tuesday he will be arriving at Eielson to visit you.’” The lieutenant governor’s visit boosted the morale of not only the Marines here, but the base’s Airmen as well, said Lance Cpl. Trader.

See **Governor** Page 2

## Air Force announces promotions to E-6, E-7

The Air Force announced that of the 41,186 Airmen eligible for promotion, 54 Eielson staff sergeants were selected for technical sergeant during the recent promotion cycle, and of the 23,230 Airmen eligible, 41 technical sergeants were selected for senior NCO status.

The following staff sergeants were selected for E-6:

**354th FW**  
Duwain Aamodt

**354th MSS**  
Jack Waid

**354th SES**  
Sheldon Rees  
Peter Stamatakos  
Joey Sweet  
William Tolbert  
Justin Walker

Christopher Culross

**354th CS**  
Michael Chambers  
Jennifer Herbert  
Jodi Rapp  
David Robinson  
John Gott II

**354th SVS**  
Susannah Lutchman-Hertel

**354th CONS**  
Sean Burney

**354th CES**  
Kristal Brugman  
Sylvin Carter  
Bryan Crane  
Tricia Ezell  
Robert Hilker  
William Janczewski  
Neil Miller  
John Moore

**354th LRS**  
Richard Loyd  
Carrie Dail  
Sean Ezell  
George Mathisen  
Nathan Reno  
Robert Sharpe  
John McCain III

**354th MXG**  
Harry Reynolds

See **Selects** Page 2



Selects from Page1

<b>354th MOS</b> Thomas Dotson Nichele Williams	Juan Borja II Carlos Leon Jr Eric Bailey Jeremiah Carley	Darnell Holliman Daniel Klitzke Kathryn McMillan Patrick Ryan Aileen White
<b>354th AMXS</b> Gabriel Avila Jason Curtiss Joe Elmore Randal Lovitt Kari Martin Raymond Mikolajczyk Gary Pursley II Ryan Richardson William Saunders Stephanie Smith Dave Thompson Michael Woroniecki Scott Marchesseault Louis Erzar Jamie Brown John Eby	<b>354th MDOS</b> April Dickson John Howard Tou Moua Bennett Jennifer R	<b>354th CES</b> Scott Cooley Michele Huizenga Stephanie Levy
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>3rd ASOS</b> Thomas Moody Shawn Phipps	<b>354th CS</b> John McKown Steven Ryder
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>355th FS</b> Landru Medvec	<b>354th MSS</b> Darrin Emerick
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>18th FS</b> Jennifer Hilker Christopher Lyons	<b>354th SVS</b> Thomas Williams
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>The following technical sergeants were selected for E-7:</b> <b>354th FW</b> Timothy Whisel	<b>354th LRS</b> Matthew Stinson Ryan Morrison
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>354th CPTS</b> Brent Kamphues Rashelle Taylor	<b>354th CONS</b> John Fife
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>354th LRS</b> Carin Baronsky Robert Harris	<b>354th MXG</b> Michael Belt Christopher Hazard Billy Thomas
<b>354th MXS</b> Dayton Wenzel Richard Hammond David Moler Zabud Carper Rogelio Castorena Andrew Cleary Eric Horton Justin Palmatier Sherry Riba Juan Simental-Carrillo Michael Turner Nathaniel Vallee	<b>354th LRS</b> Carin Baronsky Robert Harris	<b>354th AMXS</b> Wendell Davis Jr

Suit from Page1

Pilots preparing for the typical four- to five-hour Northern Edge missions had various opinions for the suit’s nickname.

“Probably because they stink to wear,” said one honest pilot. “I’d rather not comment,” said another.

But perhaps the best answer came when a life support technician knew without a doubt its origin: “When you’re in the water and you have to use the bathroom ... not a happy ending.”

Nevertheless, pooppy suits have saved the lives of many aircrew members who ended up in the water. Northern Edge pilots flying from Eielson put up with the slight discomfort for the security the suit offers.

Governor from Page1

“I could see it in their faces that they were excited,” he said.

Lance Cpl. Trader met Mr. Leman’s son, Joseph, four years ago while attending college and on a church mission to Samara, Russia. Though they have lost contact over the years, Lance Cpl. Trader and Joseph are now reviving their friendship.

“Yesterday was the first time in a few years that I have talked to him,” said Lance Cpl. Trader. “I had no clue that he had joined the Air Force and is going through pilot training. We’re definitely going to start talking again and keeping in touch.”

While here, Mr. Leman was greeted by the VFMA-314 commanding officer and sergeant major at the Thunderdome hangar. He talked to Marines and was briefed on the Marines’ F/A-18 fighter jet and the Marines’ role in Northern Edge.

“I’m reminded again where we find young men and women who took a stand to serve their country,” said Mr. Leman. “It’s great to spend time with the Marines.”

As two F/A-18s flew by to take off, Mr. Leman said, “To hear that sound of freedom is great.”

Names 2 Note

**Air Force Fit Test scores**  
**372nd TRS Det 14 OL-A**  
Tech. Sgt. Patrick Henry, 93.5

**354th MDSS**  
Capt. Robyn Wiley, 100

**354th MSS**  
Eric Thayer, 100  
Lt. Col. Kenneth Theurer, 97.5  
Capt. Tina Baker, 94.25  
1st Lt. Andrea Wild, 91.25  
Capt. Michael Goodwin, 91.25  
2nd Lt. Bryon McGarry, 91  
Capt. Ivan Torresgraciano, 90.5  
Staff Sgt. Kimberly Lawrence, 90.5  
Tech. Sgt. Travis Baumgardner, 90.5

**354th MXS**  
Master Sgt. Caleb Kinzler, 97.5  
Airman 1st Class Nicholas Kent, 93.5  
Airman 1st Class Nicholas Knott, 90.5  
Tech. Sgt. Chris Weber, 90

**3rd ASOS**  
Staff Sgt. Jeremy Jenkins, 100  
Senior Airman Brandon Finstad, 100  
Tech. Sgt. Sean Field, 100  
Master Sgt. Robert Neuffer, 100  
Senior Airman Robert Olson, 100  
Senior Airman Joseph Aton, 95  
Lt Col. Dale Larkin, 94.5  
Senior Airman Vincent Townsend, 93.8  
Staff Sgt. Danny Annis, 90.5  
Staff Sgt. Thomas Moody, 90

**Outstanding CDC scores**  
**Senior Airman Justin Pederson**, 354th CES  
10311, 95 percent  
**Airman 1st Class John Hoyt**, 354th LRS  
2T351C, 93 percent  
**Airman John Hovan**, 354th CES  
10411M, 92 percent  
**Airman 1st Class Terance Ousley**, 354th LRS  
2T051, 91 percent  
**Airman Brandon Stephens**, 354th MDG  
4B051 N, 90 percent  
**Airman James McGowan**, 354th SVS  
3M051A, 90 percent

**NCO Academy John L. Levitow Award**  
Tech. Sgt. Gary Byers, 354th FW/CP, was awarded the John L. Levitow Award on May 11, 2006

**Baby Icemen**  
Stella Baumgardner  
7 lbs 15 oz  
June 9, 2006  
Erika and Tech. Sgt. Travis Baumgardner, 354th MSS

Jeremiah Anthony Lamar  
7 lbs 8 oz  
June 2, 2006  
Courtney and Capt. Anthony Lamar, 354th CES

Safety tips for campers

Ah, the great outdoors, fresh air, the beauty of nature and finally some peace and quiet. Here are some tips for camping safety to ensure your trip stays peaceful.

- Weather can be unpredictable. Check the weather forecast for the area.
- Take enough food, clothing and equipment to keep you comfortable in case of emergency.
- Tell someone where you will be and when you plan to be home in case someone needs to find you.
- Plan to return to camp well before dark. Remember that daylight hours are shorter in the fall and winter.
- Be alert to approaching storms, dress properly and seek appropriate shelter.
- Poisonous snakes, ticks and poisonous plants may be found along trails. Exercise caution.
- If you are a beginning camper, use the camping checklists found on <http://www.fs.fed.us/recreation/traveladvisories/safety/>.
- Avoid tick bites by staying on trails and avoiding grassy, brushy areas. Wear light colored clothing so ticks can be seen. Tuck shirts into pants and pant legs into socks. Do not wear shorts on the trails.
- If a tick is attached to your skin, grab it with tweezers and remove it. Do not crush the tick’s body, as this can force bacteria into your skin. Wash the area thoroughly with soap and water.
- If you think part of the tick has remained in the skin, or if you think the tick has been attached for longer than 48 hours, seek medical attention. Be alert to a subsequent fever or skin rash. Report these to a doctor.



- Instruct family members, especially children, that if they get separated or lost to stay put.
  - Check your first aid kits before each trip. Replace any missing items, like bandages, and check expiration dates on medicines and ointments.
  - West Nile Virus is a mosquito-borne virus. Mosquitoes transmit the virus after becoming infected by feeding on the blood of birds which carry the virus. Ensure everybody in the group has on some sort of repellant to keep mosquitoes away.
- Courtesy of the 354th Fighter Wing Safety Office*

Police Blotter

*Editor’s Note: The following entries are taken from security forces records.*

**June 8**  
**CONFISCATED ID CARD:** A dependent of a retired Army member tried gaining access onto Eielson with an expired common access card. He was instructed to report to the 354th Military Personnel Flight to obtain a new ID card within 24 hours.

**CHILD NEGLECT:** Family advocacy was notified of possible child neglect in base housing. Security forces responded to the housing unit and attempted to make contact with the children ages

12, 10 and 5 who were unattended.

The sponsor arrived at the house and was briefed on the situation. The sponsor’s first sergeant arrived and conducted a health and morale inspection. Upon entering the residence, security forces found everything in complete disarray and the children were living in a highly unsanitary condition.

The base alert photographer arrived on scene and took photos of the residence. The sponsor and the children were taken to the 354th Medical Operations Squadron for an evaluation.

**June 10**  
**PRELIMINARY REVOCATION OF**

**DRIVING PRIVILEGES:** An Airman was issued a preliminary suspension of installation driving privileges after being cited for driving without wearing a seatbelt.

A staff sergeant was issued a preliminary suspension of installation driving privileges after being cited for driving without wearing a seatbelt.

A spouse was issued a preliminary suspension of installation driving privileges after being cited for driving 26 mph in a 15 mph zone.

A dependent was issued a preliminary suspen-

sion of installation driving privileges after being cited for operating a vehicle while talking on a cell phone.

A spouse was issued a preliminary suspension of installation driving privileges after being cited for operating a vehicle while talking on a cell phone.

**June 11**  
**DRIVING WHILE INTOXICATED:** An Airman assigned to the 354th Maintenance Squadron was arrested for driving while intoxicated in Fairbanks. His blood alcohol level was .086.

DWI CLOCK

The Iceman Team goal is 60 days without a DWI.

Days without a DWI: 5  
Days until goal: 55



Need a free ride home from the **North Pole** area or **on base**?  
**Call: 377-RIDE from 10 p.m. to 4 a.m.** Friday and Saturday nights  
Need a ride home from **Fairbanks**?  
**Call: Klondike Cab, at 457-RIDE (7433)** for discounted rides back to base.

AADD VOLUNTEERS

Airmen Against Drunk Driving volunteers gave **9** rides last weekend and have ‘saved’ **4,891** lives to date.

*Special thanks to last week’s Icemen volunteers for helping keep our Airmen safe.*

- Airman 1st Class Robert Hilligus
- Tech. Sgt. Michael Roxberry
- Staff Sgt. Katherine Roxberry
- Tech. Sgt. Brian Thornton
- Staff Sgt. Victoria Sweet
- Staff Sgt. Kimesha Harris
- Airman 1st Class Kathryn Boydstun
- Mick Boydstun
- Senior Airman Ryan Silva
- Airman 1st Class Nicholas Knott
- Senior Airman Ruth Miller
- Airman 1st Class Robyn Fox

EDITORIAL STAFF

**Brig. Gen. Dave Scott**  
*Commander, 354th Fighter Wing*

**Capt. Christopher Anderson**  
*Chief, Public Affairs*

**2nd Lt. Bryon McGarry**  
*Deputy Chief, Public Affairs*

**Tech. Sgt. William Farrow**  
*NCOIC, Public Affairs*

**Staff Sgt. Jasmine Reif**  
*Editor*

**Airman Nora Anton**  
*Associate Editor*



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COMMANDER'S  
CORNERCommander's  
Hotline

377-6100

The Hotline is your opportunity to get your issues and comments directly to me so I can address them.

Before you call the hotline, however, I strongly encourage you to give the unit involved, your first sergeant or commander a shot at resolving the issue. The Iceman Team takes care of its own, but you should give these people the chance to help. Please leave the names and organizations of the people you've contacted who have been unable to satisfy your concern, and I will look into the problem.

Your confidentiality will be respected at all times. Thank you!

Brig. Gen. Dave Scott  
354th Fighter Wing commander

Newspaper  
deadlines

ARCTIC SENTRY deadlines are close of business Friday prior to the following Friday's publication. E-mail submissions to [editor@eielson.af.mil](mailto:editor@eielson.af.mil).

## Story ideas?

THE ARCTIC SENTRY staff seeks to provide its customers with informative stories about the Iceman Team.



## Cadet program visits Eielson

Twelve U.S. Air Force Academy students  
intern at Eielson to learn about career fields

by Cadet 2nd Class Keith Nordquist  
United States Air Force Academy

If the 21 hours of daylight were not enough of an indication, let me share a recent discovery – it's summertime!

I recall with longing the last days of school before summer – slumped in my desk, counting the minutes until I could enjoy those precious American pastimes: baseball, fishing, and most certainly, laziness.

Yet, the longing I speak of is actually quite familiar; you see, I attend the United States Air Force Academy, Colorado Springs, Colo., so it was just a few short weeks ago that I was drooling over my notes and flight cap.

The Air Force's continued commitment to education makes this 'longing' common to many, but for USAFA cadets, it has changed the nature of their summer plans – perhaps the summer sun smiles a bit differently at Eielson.

Twelve cadets from the USAFA (two rising seniors and ten rising juniors) are here for three weeks to perform various duties they may encounter as young lieutenants.

Each summer, USAFA and Reserve Officer Training Corps cadets around the nation are sent to Air Force bases around the world.

Each will be paired with enlisted personnel or officers to experience a training event known as Operation Air Force.

The program is designed to expose cadets to the operational Air Force environment while enabling them to identify potential career fields of interest. Most of the cadets do not yet know their Air Force Specialty

Code, so this program affords them the opportunity to really figure out what they want to do "when they grow up."

Eielson's dirty-dozen are currently exploring the du-



"Eielson's dirty-dozen are currently exploring the duties and responsibilities common to maintenance, base operations, services, medical, contracting, intelligence and public affairs."

Cadet 2nd Class Keith Nordquist  
United States Air Force Academy

ties and responsibilities common to maintenance, base operations, services, medical, contracting, intelligence and public affairs.

Maj. Mark Hoover, 354th Operations Support Squadron operations flight commander, who is also the Eielson facilitator for Operation Air Force this summer, has made an effort to expose the cadets to all mission elements while still letting each investigate their fields of interest.

The quality mentorship gained from this experience is invaluable, and the exposure to the Air Force culture is immeasurable.

As part of the program, the 12 USAFA cadets have

Naiman, the cadet in charge of the contingent.

The cadets have sincerely enjoyed the natural beauty of a summer in Alaska as they learn valuable career lessons and develop as future leaders.

I recall with longing those last days of school before summer - but I was daydreaming about more than American pastimes: I thought about the incredible opportunities I could enjoy at Eielson AFB and how 12 people could work together to explore their futures.

It is summertime, and I cannot think of a better way to spend three weeks than experiencing the wild blue yonder and becoming more equipped to cross into the blue as a lieutenant.

SECAF, CSAF send message to Airmen on  
importance of personal financial management

Air Force Mission success begins with you - the individual Airman. All Airmen must possess constant professional and personal situational awareness to ensure positive impact on their unit's mission.

Although we often see our professional life in a very disciplined way, we sometimes don't realize how our personal well-being affects our job performance.

Being on solid financial footing is one way you can positively affect your life.

For example, hurricane season is now upon us. We urge you, particularly if you live in an area prone to nature's fury, to examine how prepared you are to protect your family financially.

One of the lessons learned from the past year's natural disasters is that *after* the disaster is not the time to assess your insurance needs.



Michael Wynne

Too many of our teammates, including retirees, were caught unprepared and now are bearing an avoidable financial burden.

All Air Force members, whether living on base or off, should consider their family's needs for adequate personal property (renter's) insurance.

Make a detailed inventory of your personal property - even a simple videotaping could help.

If you are a home owner, consider purchasing flood insurance.

Finally, don't forget *comprehensive* coverage for your cars (liability insurance won't pay for a storm-damaged vehicle). Remember the adage, "chance favors the prepared."

Once you have protected your family through insurance, turn your attention to other facets of personal financial management.

Air Force Family Support Centers possess a wealth of information to educate you on the many tools available to help you manage debt, begin saving, protect against identity theft and secure your family's future.

Your local JAG office can help with consumer and debt problems as well.

Moreover, every Air Force base offers beginner financial classes to help you set up a realistic household budget, live

within your means, and learn the basics of taxes and investing.

Though it seems like a long way off, investing today will help you maximize the cumulative effects of a disciplined savings plan for your family.

As John Wayne once said, "The fastest way to double your money is to fold it over one time. Then put it where it will grow."

Along those lines, the Air Force offers the Thrift Savings Plan (TSP) which allows your money to grow tax-deferred while being automatically deducted from your pay through allotments - this is an easy way to invest your money systematically.

We want confident and proud Airmen. When your personal life is in order, you are a better warfighter for the Joint Team.

Gaining and retaining control of your family's personal



General T. Moseley

finances will provide you the right situational awareness to truly focus on the professional side of your life.

If you want to be secure tomorrow, the time to start acting is today!

*Michael Wynne*, Secretary of the Air Force

*General T. Moseley*, Chief of Staff of the Air Force



# Study shows Eielson’s water is safe

One of the first things Icemen comment on when arriving at Eielson is the taste of the base water. What usually follows is the question, “Is the water safe to drink?”

“Eielson’s tap water is well within federally mandated standards, according to a recent report completed last month,” said Kathleen Lelevier, 354th Medical Operation Squadron Bioenvironmental Engineering water program manager.

“Base housing residents received a copy of the water report June 2. Off-base residents will receive copies via e-mail at their work places,” she said.

The report was written in accordance with the Consumer Confidence Reporting Rule of the federal Safe Drinking Water Act, and found water at Eielson to be well within the standards mandated by federal law.

The SDWA requires community water systems to file an annual report on their source of water, the contaminant sampling frequency and the results for each contaminant found above the laboratory detection limit.

Eielson uses well water from the Tanana Valley Alluvial Aquifer, she said. The base’s water treatment plant pumps ground water via water wells, then treats, disinfects and prepares the water for distribution.

Once the water passes out of the water treatment facility, bioenvironmental engineering samples the water, accomplishing all the health-based testing mandated by the Environmental Protection Agency. This includes screening for more than 130 different contaminants at varying frequencies. The most common samples are for bacteria, chlorine and fluoride.

“If bacteria or other contaminants ever exceeded acceptable levels, the public would be notified immediately,” Mrs. Lelevier said.

Consumers who have questions about this report or concerns over their drinking water may contact public affairs at 377-2116.

*Courtesy of 354th Medical Group Bioenvironmental Engineering Flight.*



Staff Sgt. Joshua Strang

Senior Airman Cameron Baker, 354th Civil Engineer Squadron Water Treatment Plant operator, measures potassium per manganate at the water treatment plant here. The solution reduces the amount of iron and magnesium in the base’s water.

## Air Force Axiom

by Capt. Tony Wickman  
71st Flying Training Wing Public Affairs

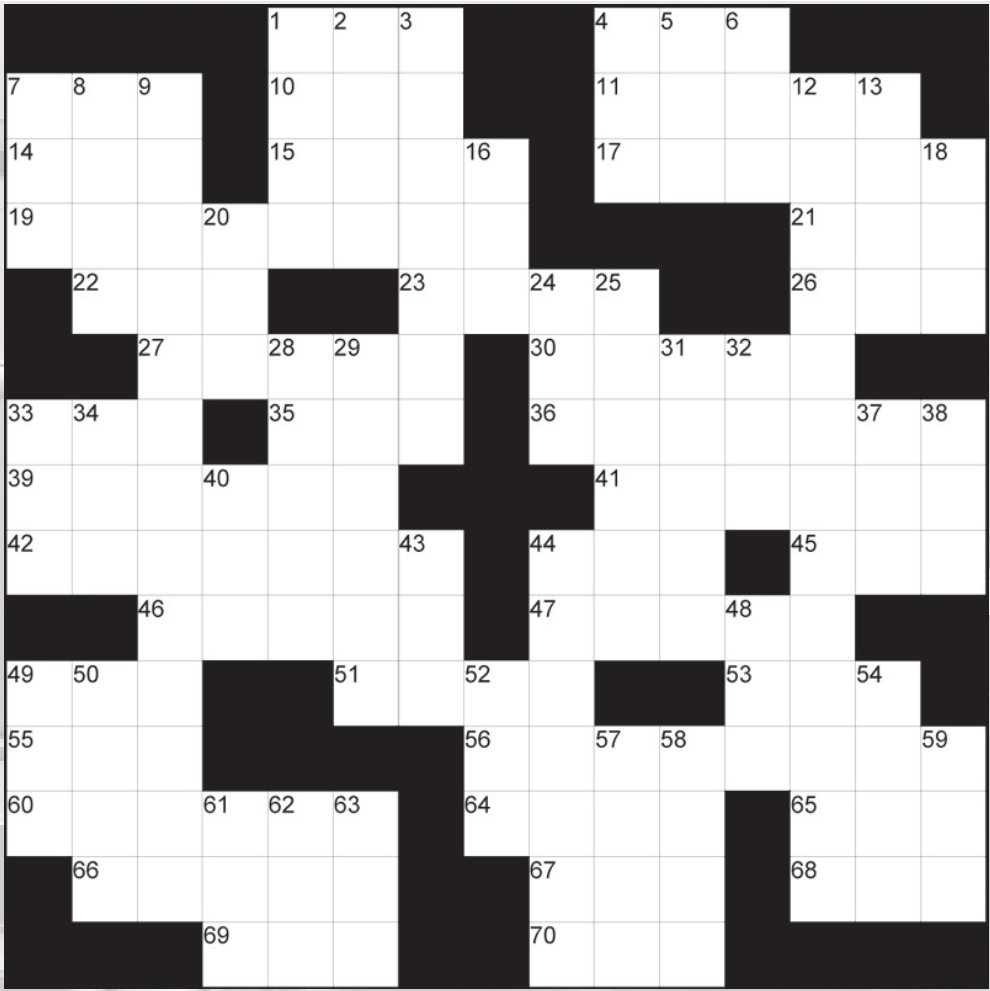
### ACROSS

1. Sault \_\_ Marie
4. Louse
7. Digital doc.
10. Appendage
11. Saddam’s political party
14. Earthlink competitor
15. \_\_ in Manhattan
17. Newscaster
19. Part two of USAF axiom
21. Military entertainment org.
22. Terminate an employee
23. Adding column
26. Snare
27. Daft
30. African antelope
33. Plane incident probe, in short
35. Boy
36. State of being poorly illuminated
39. Hedge shrub
41. 14th U.S. president
42. Eastern European country
44. Double entendre
45. Occupy a seat
46. Prefix with venous and mural
47. Era
49. Fifth time zone west of Greenwich
51. Erase
53. Donnybrook

55. 2004 Academy Award-nominated biopic film
56. End of USAF axiom
60. 1986 Weaver film
64. Muslim people of north Africa
65. Sea eagle
66. Old Russian rulers
67. Soap material
68. V for Vendetta actor Stephen
69. The Joy Luck Club writer
70. Third eye

### DOWN

1. Alike
2. Cafeteria item
3. Gave off
4. Shaq’s org.
5. Bond writer Fleming
6. Tic-\_\_-toe
7. Trite or glib
8. Qatar capital
9. Start of USAF axiom
12. Severe weather event
13. Garden tool
16. Buck’s mate
18. Balderdash



20. Barbie’s pal
24. Homer’s neighbor
25. Mistake
28. Mindful

29. Instinct
31. Acid type
32. 22°30 east of due north
33. LE search item

### June 9 Solutions

B	A	S	D	A	E	S	S	G	C	S	M
E	L	I	I	N	S	E	P	R	A	A	A
R	E	N	S	K	T	C	A	I	S	S	O
E	P	A	O	L	E	D	F	C			
T	H	I	S	W	E	L	L	D	E	F	E
				A	N	T	L	E	R	I	N
				A	D	D	S	E	O	S	
A	C	E									E
D	R	E	D	D	E	K	G		C	O	L
E	E	R	I	E		S	O	R	E	L	
				S	E	N	S	A	T	I	O
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S	O	L	D	I	E	R		N	O	D	
I	C	E		N	R	A		E	R	E	
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34. Outrage
37. \_\_-fi; movie genre
38. Solidify
40. Enclosed truck
43. Dejected
44. Leaf stem
48. \_\_-Magnon
49. Pitcher’s stat
50. Nuclear treaty
52. 2001 movie \_\_ Sam
54. 2002 Gibson movie We \_\_ Soldiers
57. Rogers and Scheider
58. Made ready beforehand
59. Cell material
61. Dine
62. Gun lobby
63. Mil. ID, perhaps



Downtown activities

Local events for the week of June 16-22

Films at the Alaska  
Public Lands  
Information Center

**Free Admission**  
Open every day from 9 a.m. to 6 p.m.,  
250 Cushman St., Suite 1A  
Lower Level of Courthouse Square  
Fairbanks, Alaska (907) 456-0527

**Today and Saturday**  
**11 a.m.** - Make Prayers to the Raven: The Forest of Eyes (30 minutes)  
**Noon** - Journey of Discovery “Landscape History of the Bering Land Bridge” (30 minutes)  
**2 p.m.** - Alaska RV Adventure (75 minutes)  
**4 p.m.** - Alaska - Spirit of the Wild (40 minutes)

**Tuesday to June 22**  
**11 a.m.** - Make Prayers to the Raven:

Grandpa Joe's Country (30 minutes)  
**Noon** - One Arctic Summer (30 minutes)  
**2 p.m.** - Touring Alaska (55 minutes)  
**4 p.m.** - Denali Wilderness (30 minutes)

**Summer Solstice and  
Midnight Sun Festival**  
**Wednesday from noon to midnight.**  
Come and join Fairbanks in celebrating the longest day of the year. The Midnight Sun Festival is brought to you on our summer solstice by the Downtown Association and attracts more than 30,000 residents and visitors alike to this fun-filled, free festival in downtown Fairbanks. All festivities will take place on 1st, 2nd and 3rd Avenues, where the streets are blocked off to allow families to roam booths safely. Free parking is available all day at the parking garage on the corner of 3rd and Noble Street.

Youth Services Skate Park  
Hours of Operation

Tuesday and Friday  
11 a.m. to 4 p.m.

Thursday  
4 to 7 p.m.

Saturday  
Noon to 3 p.m.

Skate Park  
Registration Packet  
must be completed  
and on file prior to usage.  
For more information, please  
call 353-KIDS or visit the Youth Center  
(Bldg 4109) to pick up a registration packet.



COMMUNITY BRIEFS

Base Camp canoe trip

Base Camp is offering a \$10 canoe trip on the Chena River for single Airmen. Depart from Base Camp at 10 a.m. June 24, must have canoe safety certificate from the outdoor recreation office. Call 488-9179 to sign up.

Paper LES turnoff

The Air Force Accounting and Finance Office is turning off all paper leave and earnings statements during the month of June. Current policy dictates all AF personnel have a myPay account and can view or print their LES through this system. To set up a myPay account, stop by the finance office. Call 377-4152.

Boy Scouts

The Midnight Sun Council of the Boy Scouts of America is requesting 12 military volunteers (10 not AFSC specific and two medical technicians) to help provide leadership of Boy Scout and Cub Scout programs to more than 300 scouts. Training is Monday through June 23. For more information, call Capt. Christoper Anderson at 377-1088 or 2nd Lt. Bryon McGarry at 377-1411.

Youth soccer registration

Youth soccer registration will continue through June 30 at the youth center. Youth who are interested in playing must be members and have a current sports physical on file at the youth

center. The cost is \$30.

Soccer officials and coaches

The youth center is looking for soccer officials and coaches for the mid-July through end of August season. For more information, call 377-3194/1069.

Change of command

The 18th Fighter Squadron change-of-command ceremony will take place June 23 at building 1318. Lt. Col. Dean Anderson will relinquish command to Lt. Col. Dieter Bareih.

Job opportunity

Air transportation opportunities for freight and cargo handlers and air terminal gate agent positions are available at Eielson. Fax resumes to Robert Christe at 338-0869 or e-mail [rchriste@trailboss.biz](mailto:rchriste@trailboss.biz).

SRB changes

Air Force Headquarters announced several significant changes to the selective re-enlistment bonus program. Airmen should contact the career enhancement office at 377-4857/5777 to determine their eligibility to re-enlist with an SRB entitlement.

Jewish lay leader needed

Eielson chaplain services is looking for a

Jewish lay leader, whose responsibilities include acting as a contact between the chapel staff and the Jewish community here on Eielson. If you or someone you know is of the Jewish faith and would be interested in serving in this capacity, please call Airman Daniel Coomer at 377-2130 or send a fax to 377-1358.

Summer reading program

Summer reading programs for preschool through 12th grade will take place Mondays through Thursdays 10 a.m. to 8 p.m. and Fridays and Saturdays 10 a.m. to 6 p.m. at the Eielson Base Library. Call 377-3174.

Auto and wood skills

Enroll in auto and wood skills classes at the arts and crafts center. Learn to make a hunting or personal utility knife just in time for Father's Day. Call 377-4880.

Sun Run volunteers needed

The upcoming Midnight Sun Run starts June 17. For more information, call Jack Daly at 452-7211.

Assessment survey

The 2006 Community Assessment Survey is underway and is designed to assess the current state of the Air Force community by measuring community satisfaction, personnel preparedness, family adaptation, and physical, spiritual and mental well being and safety. All dependant

spouses may take the survey online. Individuals will receive an access code to complete the survey. Go to <http://www.spouseAFCAsurvey.com>.

Participants needed

Participants are needed for Community Partnership Day 11 a.m. to 3 p.m. June 30. Icemen will work with Fort Wainwright and community members on a base beautification project at Eielson's new front gate. There will be a free barbecue starting at 11 a.m. Call 2nd Lt. Bryon McGarry, 354th Fighter Wing Public Affairs, at 377-1411.

Summer detour

The State Department of Transportation will be installing the Richardson Highway detour throughout the summer. For more information, call 377-5213.

Outdoor tours

Outdoor Adventure tours and classes for June include canoeing, biking, all-terrain vehicles and hiking. For more information or to make reservations, visit the outdoor recreation office at Bear Lake or call 377-1232.

Bridge club

The Farthest North Bridge Club is looking for beginner and intermediate players to join their club. Call Sabrina Jones at 978-0414 or Larry Foster at 488-4455 or visit <http://taiga-bridge.com/fnbc>.



### Community center

The community center houses a playland, family exercise room, game room, television lounge and more. The center also offers various programs and special events for the entire family. Party rooms are also available. A photography club meets 6 p.m. Thursdays at the community center. No reservations are needed. Call 377-2642.

### Sports physical

The 354th Medical Group is having a sports physical clinic 4:30 p.m. July 7 at the clinic by appointment only. A sports physical is good for 12 months. To make an appointment, call 377-1847.

### Strike Force

Strike Force bowling continues through July 31. Receive punches on SF cards for each paid game of bowling or large soda purchase. Rewards are earned for completed cards. Monthly prize drawings take place for cash prizes of \$250 and \$500. Ask about the red, white and blue Summer Strike Force cards at Arctic Nite Lanes. Call 377-1129.

### SERVICES PROGRAMS

**Editor’s Note:** For a list of other classes and programs, call 377-3268 or surf to [www.eielsonservices.com](http://www.eielsonservices.com). RSVP for classes. Outdoor recreation rents ski equipment, Ice fishing equipment and various other outdoor equipment. Call 377-1232.

### Programs

**Texas Hold ‘em tournaments:** 6 to 8 p.m. Tuesdays at the Yukon Club. Call 377-1075.  
**Deployed bowling for family members:** 5 to 7 p.m. Fridays at Arctic Nite Lanes. Call 377-1129.  
**Trap shoot:** 5 to 9 p.m. Tuesdays at the skeet and trap range. Instruction, ammunition and loaner guns are available. Call 377-5338.  
**FitFactor weekly events:** 2:30 p.m. Fridays at the youth center.  
**Skeet league:** Log 50 targets per week. Any adult, active-duty, Guard or Reserve member, family member, civilian or retiree may join the league. Call 377-5338.  
**Chess club:** 5:30 p.m. Thursdays at the community center. Call 377-2642.  
**Spades tournament:** 8 p.m. Fridays at the Yukon Club.  
**Bowling instruction:** Available at Arctic Nite Lanes. Call 377-1129.



### Today

❖The Summer Solstice Outdoor Sports Celebration takes place 6:30 to 11 p.m. at the youth center. Members ages 5 through sixth grade will pay \$5 admission. Space is limited and parent permission slips are required. For more information, call 377-3194.

### Saturday

❖Thunder Alley glow bowling takes place from 7 to 11 p.m. at the bowling alley.

### Sunday

❖A free Father’s Day fishing

tournament will take place 9 a.m. to 6 p.m. at Birch Lake. Prizes will be awarded to winners in different age categories.

### Monday

❖The outdoor recreation staff will lead an after-work bike ride from 5 to 7 p.m. departing from Bear Lake. Call 377-1232.

### Tuesday

❖A trip to the Midnight Sun Festival with youth center staff is slated for 9 p.m. to 1 a.m. Transportation is limited. Youth center members should sign up in advance. For more information, call 377-3194.

### Wednesday

❖The Colossal Cookie Challenge starts at 6 p.m. in the community center. To register, call Joy Knowls at 377-2642.

### Thursday

❖A teens “Iron Chef” barbecue starts 7 p.m. at the youth center. Teens will enjoy a solstice dance of their own from 7 to 10:45 p.m. at the Teen Break. Membership required. Call 377-3194.

❖A Kids on the Move class is scheduled for ages 5 through 9 from 2 to 3 p.m. at the family support center. Class size is limited, to reserve a seat call 377-2178.



All movies show at 7 p.m. at the base theater unless otherwise noted.

### Tonight: UNITED 93

A drama that tells the story of the passengers and crew, their families on the ground and the flight controllers who watched in dawning horror as United Airlines Flight 93 became the fourth hijacked plane on the day of the worst terrorist attacks on American soil. Rated R (language, terror, violence) 111 minutes.

### Saturday 7 p.m.: STICK IT

A 17-year-old, ex-gymnastics star with big family problems finds herself on the wrong side of the law after one-too many arrests. Forced back into the regimented

world of gymnastics to clean up her act, she rediscovers her love of the sport and gets the chance to make peace with her dysfunctional life. Rated PG-13 (crude remarks) 105 minutes.

### Sunday 1 p.m.: HOOT

When a Montana boy moves to Florida and unearths a disturbing threat to a local population of endangered owls, three middle-schoolers take on greedy land developers, corrupt politicians, and clueless cops. Determined to protect his new environment, the boy and his friends fight to prevent the adults from making a big mistake. Rated PG (mild bullying, language) 90 minutes.

### Sunday 7 p.m.: UNITED 93

### Thursday: STICK IT



Airman Nora Anton

### Good morning

**Brig. Gen. Dave Scott, 354th Fighter Wing commander, suits up with the 354th Services Squadron and serves breakfast to dining facility goers on Monday morning at the Two Seasons Dining Facility.**

### ACCESS EIELSON

Editor’s Note: Access Eielson is the central source for all base helping agencies. All activities take place at the family support center unless otherwise noted. For a list of other classes and programs, call 377-2178 or go to [www.eielson.af.mil](http://www.eielson.af.mil).

### Upcoming Events

**Credit Class:** 11 a.m. to noon Tuesday.  
**Sponsorship Training:** 3 to 4 p.m. Tuesday.  
**Investing 101:** 6 to 8 p.m. Tuesday.  
**Mutual Funds Class:** 6 to 8 p.m. Wednesday.  
**Interviewing Tips:** 10 to 11 a.m. Thursday.  
**Hearts Apart Monthly Social:** 5:30 to 7:30 p.m. Friday at the community center.

### Ongoing Programs

**Deployment Briefings:** Tuesdays and Thursdays, single Airmen at 9 a.m. and 3 p.m. and married Airmen at 9:30 a.m. and 3:30 p.m.  
**Ready, Set, Grow Playgroup:** 10 to 11:30 a.m. Tuesdays at the community center.  
**Polar Stroller Rollers:** 11 a.m. to 1 p.m. Wednesdays at the youth center gym.  
**Pet Sitters List:** Identifies community members who are available to care for your pets in your home. Call 377-2178.



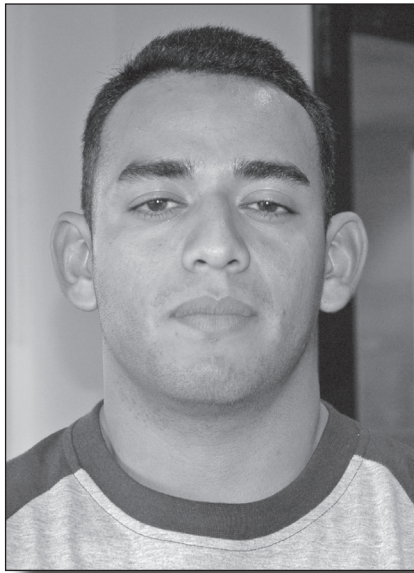
STREET BUZZ

“What is your favorite part of your job and why?”



*“The fact that I’m learning a life-skill, and knowing that I have the potential to save lives is very rewarding.”*

**Airman 1st Class  
Aaron Hatch, 354th MXS**



*“It is great being in this field because I know I protected a base. Also the people I work with are great.”*

**Airman 1st Class  
Augustine Luna, 354th SFS**



*“I enjoy the people I work with because of the camaraderie.”*

**Tech. Sgt. Ed Rouleau,  
168th ARW**



*“I like working with people because I enjoy getting to know them.”*

**Jessica Lansdale,  
Baskin Robbins  
supervisor**



*“I like working with the high voltage because you don’t get to do that anywhere else.”*

**Juan Ybarra,  
354th CES**



# Ju jutsu: no pain, no gain



**Above, Sensei Martin Suarez Luna teaches students Airman Bret Laswell, 354th Maintenance Squadron, right, and Airman Michael Walsh, 354th MXS, different punching techniques. Top right, Sensei Suarez in mid-kick during a demonstration for the class. Bottom right, Airman Walsh and Airman 1st Class Sam Chung, 354th MXS, spar together after touching hands, which is a sign of respect.**

**by Airman Nora Anton**  
354th Fighter Wing Public Affairs

**ju-jut-su** (jōō-jūt'sōō) *n.*: The Japanese art of weaponless fighting employing holds, throws and paralyzing blows to subdue or disable an opponent; used by the Samurai. Ju jutsu forms the basis of many modern forms of other combat sports, such as judo, aikido, and karate. It is thought to have been introduced into Japan by a Chinese monk, Chen Yuan-ping, at the turn of the 17th century.

A Ju jutsu class is offered at the base gymnasium from 6:30-8:30 p.m. Tuesdays and Thursdays. The first week is free and the class is taught by Sensei Martin Suarez Luna, husband of 2nd Lt. Sonja Suarez, 354th Fighter Wing Protocol office.

His martial arts repertoire includes a second-degree black belt in Yudansha Fighting System Ju jutsu; a first-degree black belt in Shin Gi Tai Ju jutsu and a first-degree black belt in the Kodokan Judo Institute.

“I have been involved in martial arts most of my life,” said Su-

arez. “My father was a Goju Ryu Okinawan Karate instructor from whom I found my love for the fighting arts.”

Sensei Suarez has a personal belief that every military member should have some kind of martial art or self-defense training on a regular basis.

“The discipline that we get from the training helps us physically, but it also helps our psychological and spiritual well-being,” Suarez said.

He said the biggest challenge in trying to learn Ju jutsu is the misunderstanding of the style of fighting.

“For many decades, the predominant fighting arts were karate or kung fu,” he said.

Hollywood also did a fine job glamorizing these two martial-art disciplines, he said.

“So now most people associate martial arts with flashy kicks and punches,” he said.

The Yudansha Fighting System Sensei Suarez teaches offers more than flashy kicks and punches, he added.

Briefly, the primary concept of this fighting system is based on the traditional philosophy of Ju jutsu, said the official Yudansha Web site. It has been modernized into today’s mixed world of martial arts and is used for self-defense, fighting on the street and has been used inside “the ring” as well.

The class is taught by training live, which means sparring with a resisting opponent, and is taught in three different “combative engagements,” explained the official Web site.

“The training philosophy of Yudansha comes from the three parts of a combative engagement,” it said. The reason is that most martial arts disciplines focus primarily on only one of the three phases of stand-



ing, clinching, and grappling.

The Yudansha fighting system Sensei Suarez teaches insists it is better to be good at all three phases of combat, rather than an expert in just one. A combatant who is an expert in all three is enabled to be one step ahead of their opponent at all times.

Sensei Suarez anticipates teaching an all-female class sometime in the future.

To learn more about the Yudansha fighting system, visit the official Web site at <http://www.yudanshafight.com>.

To speak to Sensei Martin Suarez Luna about joining the class, call 377-3951.



Photos by Airman Jonathan Snyder



# NORTHERN EDGE 2006

## Northern Edge 2006 wraps-up

by Lt. Col. KellyAnn Thompson  
Northern Edge Joint Information Bureau

Aircraft will soon bid farewell to the tarmac as wheels go up and the land of the midnight sun disappears behind the 800 participants here since late May for Northern Edge 2006.

Elmendorf Air Force Base in Anchorage hosted another 1,300 participants as more than 2,100 Air Force, Navy and Marine personnel deployed for Alaska's largest military exercise this year.

In addition to Air Force and Army personnel assigned to the 49th state, NE06 included more than 5,000 active-duty, National Guard and Reserve forces from 36 units working and training jointly in the Pacific Alaska Range Complex and over the Gulf of Alaska.

Tankers from 10 different units stacked the Eielson runway, displaying a cornucopia of tail markings against a backdrop of the Alaska Mountain range.

The Eielson-based 168th Air Refueling Wing did an outstanding job coordinating the 10 squadrons that formed the 14-aircraft Tanker Task Force, said Col. Chip Thompson, NE06 exercise director.

Composed of KC-10 and KC-135 aircraft, the TTF refueled F-16s, F-15s, B-2s, E-3s, E-2s and the Air Force's newest fighter aircraft, the F-22A Raptor.

"NE06 showcased the lethality and survivability of the F-22A in a high threat environment," said Colonel Thompson.

"In addition, this exercise provided Raptor pilots the opportunity to hone their combat skills against numerous aircraft flying adversary tactics," he continued.

Alaska's spacious aerial ranges and airspace provided the most expansive training area the visiting pilots said they had ever experienced.

Participants practiced the tactics, techniques and procedures associated with defensive counter air, close air support, air interdiction of maritime targets, and personnel recovery missions.

Eielson AFB units were integral to the success of NE06, according to Colonel Thompson.

"Maj. Jim "Latex" Collins from the 354th Operations Group was one of the master architects of the daily air tasking order, scheduling all aircraft activities throughout the exercise," he said.

"Northern Edge wouldn't have been possible without the incredible support of the 353rd Combat Training Squadron, who sent several members to Elmendorf AFB to assist with the daily planning and execution," he added.

Here at Eielson, the 353rd CTS organized and supervised all afternoon flight training and directly controlled six NE06 missions flown to the interior Alaska ranges.

Unit personnel played a key role in the flight safety of more than 100 aircraft sorties each day.

The base's support service also performed admirably for the hundreds of visiting military, Colonel Thompson said.

"TDY unit commanders passed to me their sincere appreciation to base services from billeting to transportation to the dining hall for making their Alaska deployment an enjoyable adventure," he said.

See **WRAP** page 2



Staff Sgt. Joshua Strang

Three F-15C Eagle aircraft, based at Elmendorf Air Force Base, Alaska, fly in formation with a KC-135R from the 168th Air Refueling Wing here, on June 9 during NE06. NE06 is a joint-training exercise hosted by Alaskan Command and is one of a series of U.S. Pacific Command exercises that prepare joint forces to respond to crises in the Asian Pacific region.



Staff Sgt. Joshua Strang

### Boom

**Tech. Sgt. John Duhaime, KC-135, 168th Air Refueling Wing KC-135 boom operator, refuels an F-22A Raptor on June 9 during Northern Edge 2006.**

## Tankers show support by refueling in-flight F-22s

**An F-22A positions itself to be refueled by a KC-135R June 8 over the skies of the Gulf of Alaska as part of Northern Edge 2006. This is the first exercise that the F-22s have been a part of.**



Staff Sgt. Joshua Strang

by USMC Lance Cpl. Chad deBree  
Northern Edge Joint Information Bureau

A KC-135R refueled eight aircraft June 8 over the skies of Alaska as part of Northern Edge 2006, Alaska's biggest military training exercise.

The KC-135R refueled two F-15s and six F-22As to allow the aircraft to continue the mission without landing to refuel.

"We're giving fighters the fuel they need to have in order to practice the fighting that they need to practice," said 1st Lt. William Davison, 186th Air Refueling Wing KC-135K co-pilot.

"This is THE first time that I have ever refueled the F-22As," he added.

This is the first time that the F-22As have participated in an exercise in Alaska, and the Airmen are getting used to working with the aircraft.

"They're a little different than the other aircraft," said Tech Sgt. John Duhaime, 168th ARW boom operator.

"They're a bit more challenging to refuel because you need more precision in order to make contact," he added.

Unlike other fighter aircraft, the F-22A has no slip way, a small area in front of the receptacle that engages the nozzle, making it harder to navigate the hose to the tank, but Airmen are just happy that

the F-22As finally arrived.

"It's good to see them finally," said Sergeant Duhaime. "We've seen them in books since I became a boom operator, and to see one in the air is a good experience."

This was the second time that Sergeant Duhaime and 1st Lt. Davison have refueled the F-22As during the exercise, which they feel is great training.

"This is the closest thing that we can get without being in an actual war environment," Sergeant Duhaime said.

"This has been a great training experience. I only wish that I could have taken more part in the planning side of the house, but we're going through a transition and I was scheduled to fly more," he added.

1st Lt. Davison agreed with Sergeant Duhaime that the training for Northern Edge has been some of the best he has ever received.

"There's a lot more to this than a real-world scenario," said 1st Lt. Davison. "In the real world, it's the same thing every day, day in, day out."

"This exercise is a flexible training environment where we're refueling different types of aircraft in the same day," he said.

"It's been the best training I've had," he added.



# NORTHERN EDGE 2006

## Ohio Stingers wear “black hats” for air exercise

by **Brian Lepley**  
Northern Edge Joint Information Bureau

Northern Edge’s air war featured the Air Force’s newest fighter jet, the F-22A, as the white hat, the good guy, the hero.

Every battle needs a villain, however. That’s where the Ohio Air National Guard’s 112th Fighter Squadron’s F-16Cs come in.

The Stingers of the 112th FS flew into NE06’s mock battle as the enemy, known as Red Air. Playing the opposing force means the Stinger pilots aren’t practicing skills they would usually work on during training.

But Lt. Col. Steve Nordhaus, 112th FS acting commander, sees the bigger picture.

“We’re maxing our abilities in dealing with the F-22s,” he said. “We like to see them succeed; that’s what’s best for the Air Force.”

### WRAP from page 1

“We took on a difficult mission scenario and have identified our strengths and challenges in key areas of execution and joint inter-operability for Pacific Command war planners,” Thompson said.

“Everyone benefited from this Northern Edge experience,” he said.

“From better joint communications to improv-

The 112th FS was able to bring most of its pilots to Northern Edge. The vast Alaska air space is a valuable training area, according to Lt. Col. Ed Rinke, 112th FS pilot.

“Flying in a sparsely populated area with very little civil air traffic is valuable,” he said. “It saves fuel and time, so that saves money.”

Another Northern Edge advantage is the number of aircraft and missions the Stingers dealt with.

“The volume of forces we’re coordinating with is huge,” Colonel Rinke said. “We’ve not dealt with this many flights, the number of blue and red forces, in an air space before.”

The unit brought more than 180 personnel to Northern Edge. Everyone got time off to see Alaska.

“We were able to drive down to Valdez last weekend and got to tour a glacier,” said Maj. Becky Ohm, 112th FS pilot. “The drive down was just beautiful.”



Staff Sgt. Joshua Strang

**Maintainers from the Ohio Air National Guard 112th Fighter Squadron prep a 112th FS F-16 for flight. The Black Knights battle the F-22A during Northern Edge 2006 air-war scenarios.**

## Marines provide Alaskan air picture to Hawaiian HQ



Staff Sgt. Joshua Strang

**Marines from Marine Air Communications Squadron 4, set up satellite links on the Air Defense Communication Platform, June 8, as part of Northern Edge 2006.**

by **USMC Lance Cpl. Chad deBree**  
Northern Edge Joint Information Bureau

Integrating the fighting ability of the joint warfighter is what helps make Northern Edge Alaska’s premier joint training exercise, and integration just one of Marines’ specialties.

Marines of Marine Air Control Squadron 4, Okinawa, Japan, are providing data link integration and forwarding between the Air Force, Navy and Marine fighter planes in the Pacific Alaska Range Complex and the Pacific Air Operations Center in Honolulu, Hawaii, as part of Northern Edge 2006.

To do this, the Marines utilize their Air Defense Communications Platform and Joint Range Extension along with a host of satellite radios, servers, secure phones and antennas to receive and transmit the location of every plane within the 60,000-square-mile training range.

“Anything that the E-3 AWACS or E-2C Hawkeye sees with its RADAR or is active in the LINK-16 network will be picked up by our system,” said Gunnery Sgt. Herbert A. Smith, MACS-4 joint interface control officer.

“It gives us the ability to take what’s going on in the battlefield and, with

a touch of a button, transmit the position of everyone flying here to the commanders at Hickam AFB in Hawaii, plus it gives them all the ability to communicate with each other via text messaging,” he said.

“Utilizing these systems,” said Smith, “We can send and receive information to almost anyone, anywhere on the globe, anytime.”

The detachment’s equipment is a part of the larger Tactical Air Operations Center, which is responsible for providing air control, management and real-time air surveillance to the Marine Air Ground Task Force and the Joint Forces Air Component Commander.

Depending on the resources available though, the TAOC can be scaled down to contingency packages like this one to suit the mission.

“Because of this small Marine detachment, commanders all over the Pacific are provided with the ability to interact with a battlefield thousands of miles away,” said 1st Lt. Christopher Montgomery, MACS-4 detachment officer in charge.

“These Marines man the linchpin of tactical data communication between the Alaskan training ranges and the Pacific Command in Hawaii,” he said.

The ADCP and its tactical systems are run and maintained by only six Marines from MACS-4.

Lance Cpl. Victor J. Cruz Jr. works as the data link coordinator and is in charge of maintaining links with the fighters in Alaska and the units around the Pacific region.

Lance Cpl. Matthew H. Durham, MACS-4 tactical data systems repairman, is responsible for the day-to-day maintenance, repair and troubleshooting of each piece of tactical gear.

Lance Cpl. Thomas Wallinger, MACS-4 refrigeration mechanic, maintains the air conditioning in the ADCP vehicle to ensure the system does not overheat and shut down.

Corporal Walter S. Ellis, MACS-4 NCO in charge and detachment motor transport and utilities chief, is responsible for maintaining uninterrupted tactical power to all voice and data systems as well as handling any wiring, mechanical and electrical issues.

“These six Marines are responsible for providing the Pacific Command with situational awareness of the air battle in Northern Edge,” Smith said.

“When it comes down to it, these guys, the lance corporals, are the ones who take charge and run it,” he said.

“Without them, we’d be hurting, guarantee it.”

## First-time crew refuels B-2 bomber

by **1st Lt. Candice Miller**  
Northern Edge Joint Information Bureau

Every day, Airmen experience new facets of the Air Force.

The 305th Air Mobility Wing, McGuire AFB, N.J., experienced a new mission Thursday, when they refueled two B-2 bombers from the 36th Air Expeditionary Wing, Andersen AB, Guam, during Northern Edge 2006, Alaska’s premier joint-training exercise.

It is a rare occasion to see the B-2 over Alaskan skies and even more rare to see two being refueled.

Tech. Sgt. Jason Schaub, KC-10 Boom Operator, said, “I reviewed my procedures and I’m all set. Since there are not too many B-2s, you really only see them refuel in the desert. It’s a rare chance for me to operate the boom and I’m excited.”

There are 21 B-2s in the Air Force and they bring massive firepower in a short time anywhere on the globe.

Its stealth characteristics give it the unique ability to penetrate enemy defenses and threaten valued assets.

The B-2 could not get from point A to point B without “gas stations in the sky” getting them there, said Sergeant Schaub.

The KC-10 is versatile and has the capabilities to refuel Air Force, Navy, Marine and allied-force aircraft, while carrying cargo and passengers.

A KC-10 can take an entire squadron of aircraft, with its people and

equipment, and bring it anywhere in the world, he said.

Capt. Jason Torgerson, 305th AMW Aircraft Commander, said, “We can really do it all. This plane can bring it all there and bring it all back.”

Although the KC-10’s primary mission is aerial refueling, it can be combined in any configuration for carrying cargo also.

“The KC-10 is like a Lego kit,” he said. “You can change the configuration and you have something different. The aircraft can easily change based on the mission.”

Captain Torgerson explained that using the KC-10 for this mission in Northern Edge was a better use of assets than using a KC-135 Stratotanker due to the amount of fuel the B-2s needed.

“The KC-10 can do the refueling of two B-2s in one flight, which will allow a KC-135 to refuel other aircraft for the Northern Edge exercise,” he said.

Each B-2 received approximately 70,000 pounds of gas at about 6,000 pounds a minute, said Sergeant Schaub.

“It doesn’t take much time at all for all that fuel,” he said.

Captain Torgerson touted the B-2 as an ultimate symbol of air power.

“This flight symbolizes most of the Air Force’s missions in one mission,” he said.

“We are practicing our global reach capabilities, lethality and force protection at one time.”



Staff Sgt. Joshua Strang

**A B-2 Spirit Bomber is refueled by a KC-10 Extender from the 305th Air Mobility Wing, McGuire AFB, N.J., on June 8 during Northern Edge 2006. The B-2 refueling was a first for the 305th AMW.**



# NORTHERN EDGE 2006

## Tanker Task Force keeps Northern Edge flying

by 1st Lt. Candice Miller  
Northern Edge Joint Information Bureau

If drivers could fill up their cars with gas without stopping, imagine how efficient driving would be.

The monstrous Tanker Task Force here provides efficient service to drivers in the air during Northern Edge, Alaska’s premier joint-training exercise.

Seventeen tankers and 12 total-force units from around the country refuel more than one hundred jets daily over Alaskan skies during the states largest military training exercise this year. Bringing gas to the air allows aircraft to continue the fight without landing.

Eielson’s 168th Air Refueling Wing is the task force’s lead unit.

“This TTF is really big ... I mean, really big,” said Lt. Col. Jeff Sladko, Northern Edge operations officer.

“The 168th is leading the TTF through the exercise and doing a great job,” said Colonel Sladko.

“We get a chance to exercise on a large scale doing our real world mission at our home base,” he said.

This is the largest TTF in more than 10 years at Eielson AFB and the largest in any Northern Edge exercise, he said.

Northern Edge provides the TTF an opportunity to refuel many different types of aircraft from the Air Force, Navy and Marine Corps, demonstrating the military’s power-projection capability.

“One of the most pleasing things is that I can’t tell the difference between active-duty and guard units. I can’t even tell who is from what unit. It’s very seamless,” said Colonel Sladko. “It doesn’t get any more integrated than this. The crews are completely interchangeable.”

Maj. Mark Burley, 168th ARW KC-135 pilot, said tankers are doing double the refueling missions than a normal Red Flag-Alaska exercise.

“There are traditionally between five to seven tankers with missions that last two to three hours. On average, Northern Edge missions are lasting five to six hours,” he said.

Midway through the exercise, the TTF changed crews and aircraft. Chief Master Sgt. Barry Beck, 168th ARW Production Superintendent, said Air National Guard and Air Force Reserve units often change crews during exercises to take advantage of the opportunity to provide training to more individuals and because of civilian deployment issues.

Maintenance issues, inspection requirements and aircraft washes also drive when and how long an aircraft will be able to fly, he said.

“When swap-outs do occur we try to make it appear as seamless as possible so as to not disrupt the tanker flow or not affect the training syllabus if at all possible,” said Sergeant Beck.

Maj. Benjamin Baker, 168th ARW Maintenance Commander, said, “An exercise with this many participants further highlights the critical role that air refueling plays in the overall strategy of the U.S. military.”

Maj. Baker said that air refueling provides “Force Extension,” which allows Air Force assets to remain airborne longer and travel further to accomplish the mission.

“Without this capability, our assets would be severely limited. The ability to provide air refueling is a huge advantage that other nations do not have,” he said.



Staff Sgt. Joshua Strang

Visiting KC-135s Stratotankers line Eielson’s runway during Northern Edge 2006 here. The exercise welcomed units from all over the United States during the two-week exercise.

## Dragons provide CSAR support for NE06



Army Pfc. Vincent Fusco

FORT WAINWRIGHT, Alaska – Blackhawks from 1st Battalion, 52nd Aviation Regiment, Fort Wainwright, Alaska, take off for a rescue mission during Northern Edge 2006 on June 9.

by Brian Lopley  
Northern Edge Joint Information Bureau

FORT WAINWRIGHT, Alaska— The 1st Battalion, 52nd Aviation Regiment’s Flying Dragons worked as stranded dragons and rescue dragons for Northern Edge 2006.

The unit’s Blackhawk helicopters flew personnel recovery and search and rescue missions during Alaska’s largest military exercise this year that was based out of Eielson and Elmendorf Air Force Bases June 5 through 16.

Teams of Soldiers from 1-52 and Company D, 123rd Aviation Battalion, acted as downed air crews in a series of survival, evasion, resistance and escape training exercises, said Capt. Chris Payeur, 1-52 assistant operations officer.

After a couple of days in the field, F-16s from Eielson’s 18th Fighter Squadron found the downed crews’ positions and provided rescue security for the Blackhawks flying in to recover the Soldiers.

“That’s what our aircraft are designed to do: moving, extracting, and inserting teams,” said Chief Warrant Officer Kris Taylor, Company D assistant flight operations officer.

Last year the company deployed to Kuwait and faced similar real-world wartime scenarios present in this year’s Northern Edge missions.

The exercise provided an especially

good training experience to the newest Soldiers, said Chief Warrant Officer Brian Smith, Aviation Task Force 49’s tactical operations officer. After returning from Kuwait, the Company D Renegades saw a 50-percent personnel turnaround.

“When you’re flying missions, you get to understand the effort the military takes in the event that an aircraft would go down,” said Chief Warrant Officer Smith.

June 13-14 saw 1-52’s Blackhawks practicing deck landings on the ships of the U.S. Navy’s 3rd Fleet in Seward, Alaska. Renegade pilots quickly noticed the difference between these landings and those done in the Persian Gulf, where the water was a “like a pane of glass,” he said.

“When your landing surface is moving beneath you, (deck landings) can be a real challenge,” said Chief Warrant Officer Smith.

The Northern Edge 2006 missions were examples of the real-world scenarios used to prepare its participating 5,000 Airmen, Soldiers, Marines and Sailors for potential missions in the Pacific region.

“This provided us the opportunity to train with forces we have never been able to work with before,” said Capt. Payeur.

“The training helps us learn how to fight in a joint environment,” said Chief Warrant Officer Smith, “and how to bring people home when someone is downed. It’s a real confidence builder.”



# NORTHERN EDGE 2006



Members of the 31st Rescue Squadron, Kadena Air Base, Japan, fast rope out of an HH-60 Pavehawk from Eielson's 210th Rescue Squadron during a combat search and rescue mission for Northern Edge 2006 here on June 6.

Staff Sgt. Joshua Strang



Two F-16Cs from the 180th Fighter Wing, Ohio Air National Guard, fly in formation over the Alaska Range during a training mission for Northern Edge 2006 on June 14.

Master Sgt. Rob Wieland



Master Sgt. Rob Wieland



Airman Jonathan Snyder

Tech. Sgt Jeremiah Johnson from the 168th National Guard works on a KC-135 engine during a routine maintenance check before a NE06 mission.



Staff Sgt. Joshua Strang

KC-135 Stratotankers from bases across the United States stand ready on Eielson's flightline during Northern Edge.

1st Lt. Michael McGrew, 18th Fighter Squadron pilot, looks for maritime activity over the Gulf of Alaska during Northern Edge 2006.



Staff Sgt. Joshua Strang

Marine Lance Cpl. Victor Cruz, Jr., Cpl. Walter Ellis and Lance Cpl. Matthew Durham, Marine Aviation and Communications Squadron 4, Marine Corps Air Station Iwakuni, Japan, setup a satellite on the Air Defense Communications Platform, June 8. The ADCP transmits vital real-time battlefield information from NE06 to the Pacific Air Operations Center in Honolulu, Hawaii.